

In the Claims

1. (Currently Amended) A method for ~~effectuating~~ document viewing on a client-side device ~~with limited resources, smaller display screen areas, and without a scrolling capability~~, comprising:

(a) receiving, at a server, first user generated data communicated from the client-side device, the first user generated data including document data corresponding to a document to be viewed on the client-side device and client-side display device data corresponding to a client-side display device display capabilities;

(b) generating, at the server, a first image portion and a second image portion of the document to be viewed on the client-side device, the first image portion being a portion of the document corresponding to client-side display device data, the second image portion being a portion of the document corresponding to client-side display device data, the first image portion being intra-document to be viewed spatially related to the second image portion;

(c) generating, at the server, a split-bar image to indicate a visual separation between image portions;

(d) stitching, at the server, the first image portion, the second image portion, and the split-bar image to create a composite image;

(e) transmitting the composite image to the client-side device to be displayed by the client-side display device;

(f) receiving, at a server, second user generated data communicated from the client-side device, the second user generated data including data relating to a new viewpoint of the document being viewed on the client-side display device;

(g) generating, at the server, a third image portion, the third image portion being a portion of the document corresponding to the new viewpoint of the document being viewed on the client-side display device;

(h) stitching, at the server, the first image portion, the third image portion, and the split-bar image to create a new composite image; and

~~(i) transmitting the new composite image to the client-side device to be displayed by the client-side display device; a) a server receiving user data communicated from the client-side device, regarding a document viewed and a user's current viewpoint thereof; b) in response thereto, said server generating a left and right image of that portion of said document viewed; c) the server generating a split bar image to indicate a line of separation between said left and right image sides; d) the server creating a composite image by stitching combining said right, left, and split bar images together; e) the server communicating said composite image to the user for display; and f) responsive to user scrolling with the a scroll bar, repeating (A-E) until done.~~

Claims 2-11 (Cancelled)

12. (New) The method as claimed in claim 1, wherein the first image portion has intra-document to be viewed horizontal relationship with the second image portion.

13. (New) The method as claimed in claim 1, wherein the first image portion has intra-document to be viewed vertical relationship with the second image portion.

14. (New) A method for document viewing on a client-side device, comprising:

(a) receiving, at a server, first user generated data communicated from the client-side device, the first user generated data including document data corresponding to a document to be viewed on the client-side device and client-side display device data corresponding to a client-side display device display capabilities;

(b) generating, at the server, a first image portion and a second image portion of the document to be viewed on the client-side device, the first image portion being a portion of the document corresponding to client-side display

device data, the second image portion being a portion of the document corresponding to client-side display device data, the first image portion being intra-document to be viewed spatially related to the second image portion;

(c) generating, at the server, a split-bar image to indicate a visual separation between image portions;

(d) generating, at the server, an scroll image to provide an activatable area, within an image portion, to enable a user generated scroll instruction;

(e) stitching, at the server, the first image portion, the second image portion, the scroll image, and the split-bar image to create a composite image;

(f) transmitting the composite image to the client-side device to be displayed by the client-side display device;

(g) receiving, at a server, second user generated data communicated from the client-side device, the second user generated data being generated in response to a user activating the activatable area within the composite image being displayed by the client-side display device so as to request a new viewpoint of the document being viewed on the client-side display device;

(h) generating, at the server, a third image portion, the third image portion being a portion of the document corresponding to the new viewpoint of the document being viewed on the client-side display device;

(i) stitching, at the server, the first image portion, the third image portion, the scroll image, and the split-bar image to create a new composite image; and

(j) transmitting the new composite image to the client-side device to be displayed by the client-side display device.

15. (New) The method as claimed in claim 14, wherein the first image portion has intra-document to be viewed horizontal relationship with the second image portion.

16. (New) The method as claimed in claim 14, wherein the first image portion has intra-document to be viewed vertical relationship with the second image portion.

17. (New) The method as claimed in claim 14, wherein the activatable area enables a user to generate a horizontal scroll instruction.

18. (New) The method as claimed in claim 14, wherein the activatable area enables a user to generate a vertical scroll instruction.

19. (New) The method as claimed in claim 14, wherein the activatable area enables a user to generate a vertical/horizontal scroll instruction.

20. (New) A method for document viewing on a client-side device, comprising:

(a) receiving, at a server, first user generated data communicated from the client-side device, the first user generated data including document data corresponding to a document to be viewed on the client-side device and client-side display device data corresponding to a client-side display device display capabilities;

(b) generating, at the server, a first image portion and a second image portion of the document to be viewed on the client-side device, the first image portion being a portion of the document corresponding to client-side display device data, the second image portion being a portion of the document corresponding to client-side display device data, the first image portion being intra-document to be viewed spatially related to the second image portion;

(c) generating, at the server, a split-bar image to indicate a visual separation between image portions, the split-bar image providing an activatable area, within the split-bar image, to enable a user generated scroll instruction;

(d) stitching, at the server, the first image portion, the second image portion, the scroll image, and the split-bar image to create a composite image;

(e) transmitting the composite image to the client-side device to be displayed by the client-side display device;

(f) receiving, at a server, second user generated data communicated from the client-side device, the second user generated data being generated in response to a user activating the activatable area within the composite image being displayed by the client-side display device so as to request a new viewpoint of the document being viewed on the client-side display device;

(g) generating, at the server, a third image portion, the third image portion being a portion of the document corresponding to the new viewpoint of the document being viewed on the client-side display device;

(h) stitching, at the server, the first image portion, the third image portion, the scroll image, and the split-bar image to create a new composite image; and

(i) transmitting the new composite image to the client-side device to be displayed by the client-side display device.

21. (New) The method as claimed in claim 20, wherein the first image portion has intra-document to be viewed horizontal relationship with the second image portion.

22. (New) The method as claimed in claim 20, wherein the first image portion has intra-document to be viewed vertical relationship with the second image portion.

23. (New) The method as claimed in claim 22, wherein the activatable area enables a user to generate a horizontal scroll instruction.

24. (New) The method as claimed in claim 22, wherein the activatable area enables a user to generate a vertical scroll instruction.

25. (New) The method as claimed in claim 22, wherein the activatable area enables a user to generate a vertical/horizontal scroll instruction.